

Features

- High impedance common mode chokes
- Low profile surface mount package
- Shielded providing excellent noise suppression
- Suitable for high speed digital equipment (USB/IEEE)
- Pb-free construction & RoHS compliant
- Both flow and reflow soldering applicable

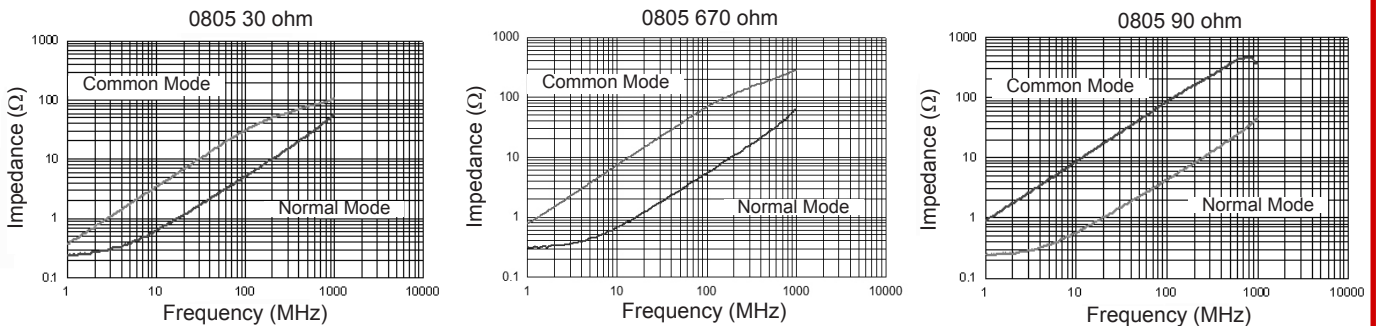
CHARACTERISTICS

Case Size	0805	1206
Impedance Range	30~ 370 Ohms	30 ~ 600 Ohms
Available Tolerance	±25%	
Temperature Range	-40°C ~ +125°C	
Withstanding voltage	125VDC 30 seconds	
Insulation Resistance	10MΩ after application 50V for 30 seconds	
Temperature Cycling	±25% of initial value after 10 cycles (-40°C/+20°C/+125°C/+20°C)	

0805 SPECIFICATIONS

Article	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω max.)	DC Current (mA max.)	Voltage Rating (Vdc)	Withstanding Voltage (Vdc)	Insulation Resistance (Ω)
124-5590	30 ±25%	100	0.20	400	50	125	10Meg
124-5592	67 ±25%		0.25	400			
123-4665	90 ±25%		0.30	400			
742-3463	120 ±25%		0.30	400			
124-5593	180 ±25%		0.35	350			
124-5594	220 ±25%		0.40	600			
124-5595	260 ±25%		0.40	300			
124-5596	360 ±25%		0.50	100			
124-5597	370 ±25%		0.50	100			

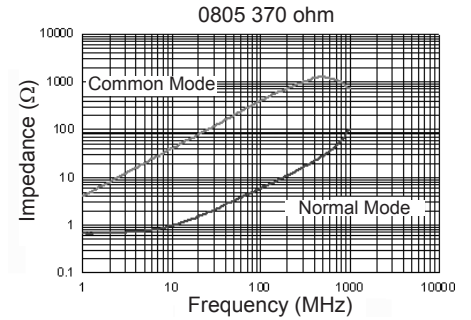
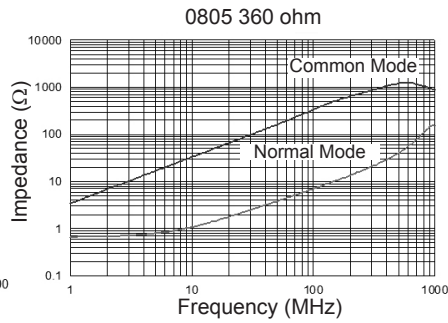
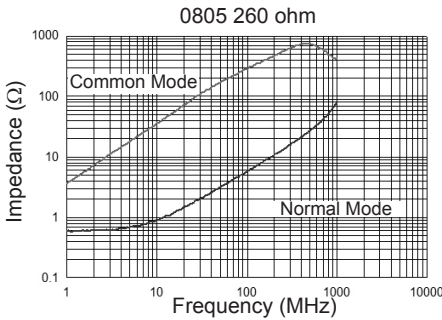
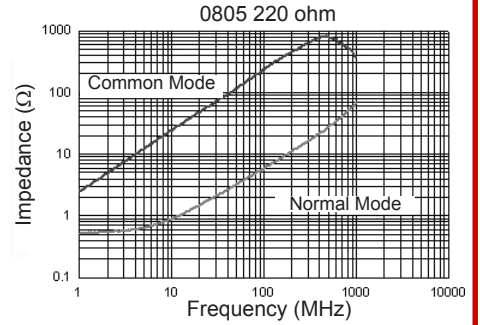
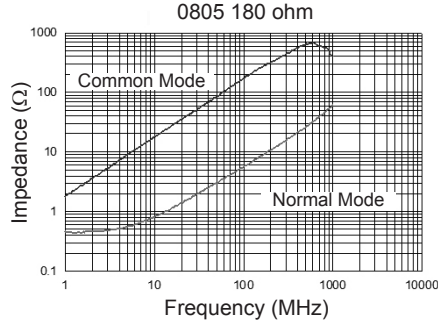
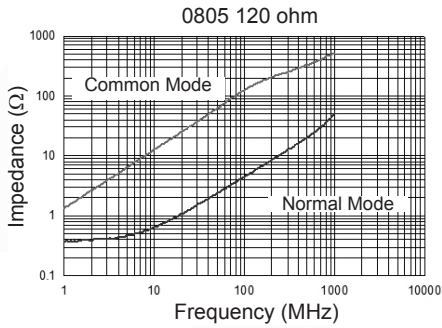
0805 PERFORMANCE CURVES



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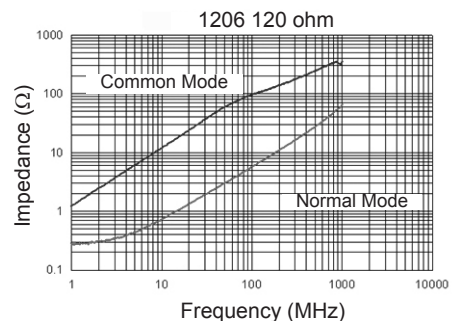
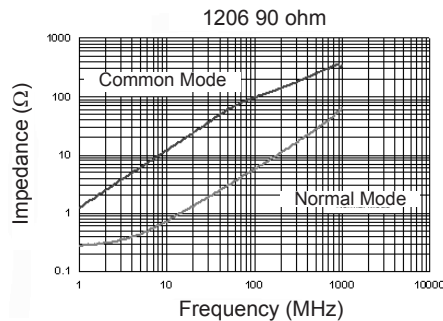
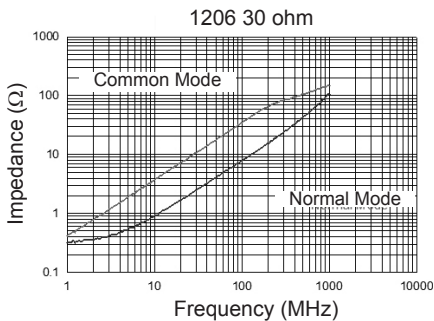
0805 PERFORMANCE CURVES



1206 SPECIFICATIONS

Article	Impedance (Ω)	Test Frequency (MHz)	DC Resistance (Ω max.)	DC Current (mA max.)	Voltage Rating (Vdc)	Withstanding Voltage (Vdc)	Insulation Resistance (Ω)
124-5598	30 ±25%	100	0.20	400	50	125	10Meg
123-4666	90 ±25%		0.30	400			
124-5599	120 ±25%		0.30	400			
124-5600	550 ±25%		0.75	300			
124-5601	600 ±25%		0.80	300			

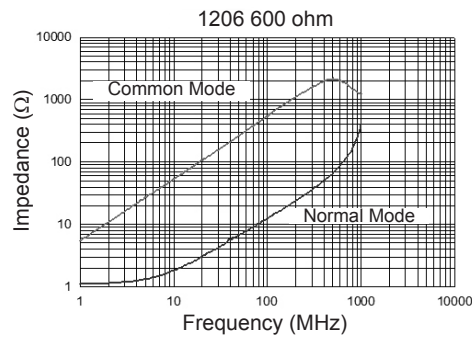
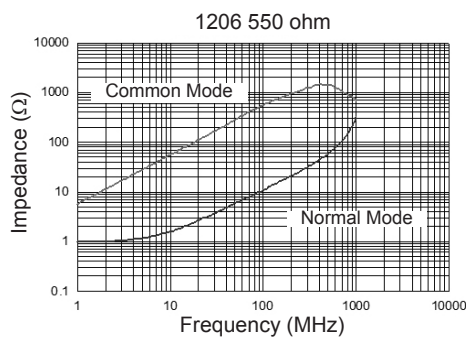
1206 PERFORMANCE CURVES



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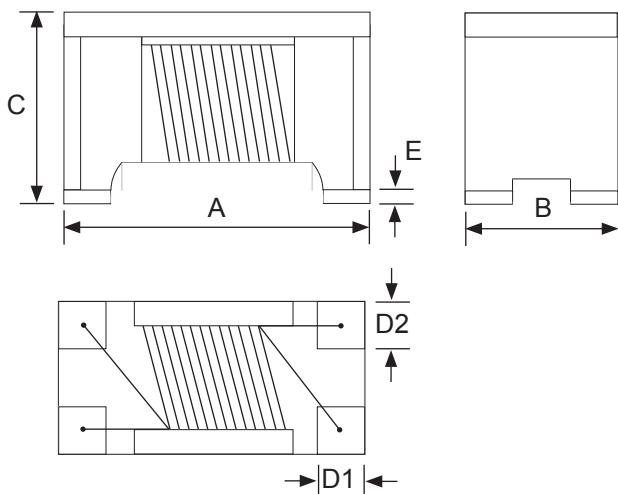


1206 PERFORMANCE CURVES

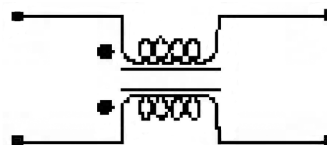


CASE DIMENSIONS (mm)

Type	A ±0.2	B ±0.2	C ±0.2	D1 ±0.1	D2 ±0.1	E ±0.1
0805	2.0	1.2	1.2	0.55	0.46	0.15
1206	3.2	1.6	2.0	0.50	0.50	0.15

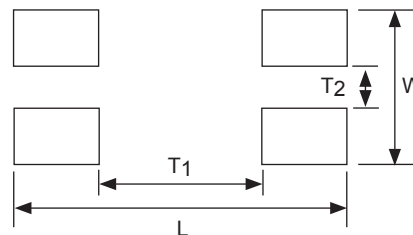


CIRCUIT SCHEMATIC



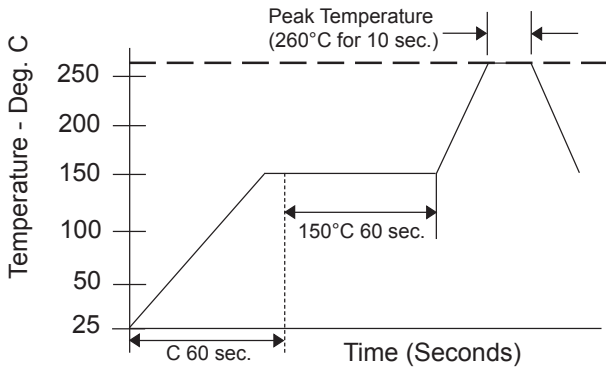
LAND PATTERN DIMENSIONS (mm)

Case Size	L	W	T1	T2
0805	2.60	1.25	1.10	0.45
1206	3.70	1.60	1.90	0.40

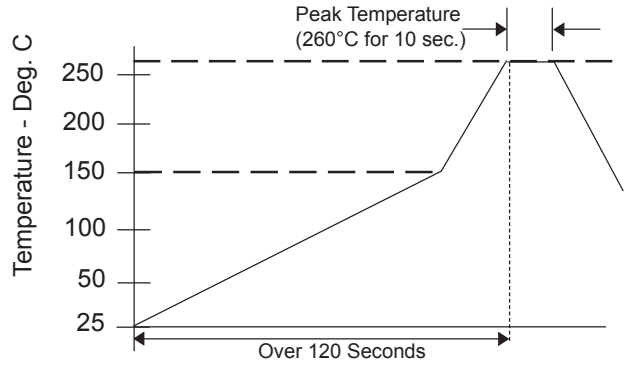




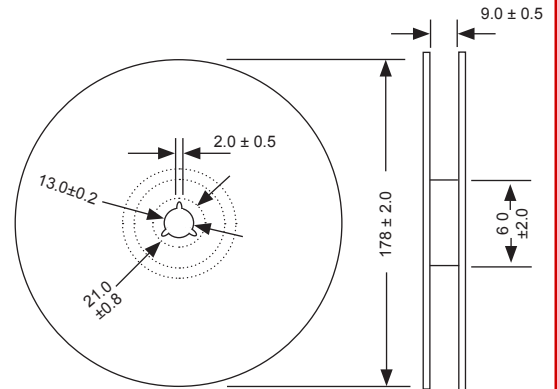
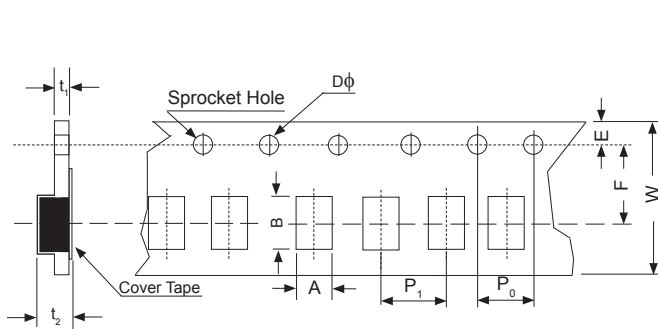
RECOMMENDED REFLOW SOLDERING PROFILE



RECOMMENDED FLOW SOLDERING PROFILE



Series	A ± 0.1	B ± 0.1	E ± 0.1	F ± 0.05	P ₀ ± 0.1	P ₁ ± 0.1	Dφ ± 0.1	W ± 0.1	t ₁ ± 0.05	t ₂ ± 0.1	Reel Quantity
0805	1.50	2.35	1.75	3.5	4.0	4.0	1.5	8.0	0.22	1.45	2,000
1206	1.88	3.50								2.10	



REEL QUANTITY: 2,000 per reel
(0805 & 1206 case size)